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Patent

Old Attorney's Docket No. 026125-068New Attorney's Docket No. 0119-012**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of )

Jiren YUAN )

) Group Art Unit: 2816

Application No.: 09/672,803 )

) Examiner: TON, MY-TRANG

Filed: September 28, 2000 )

) Confirmation No.: 8153

For: VERSATILE CHARGE SAMPLING )  
CIRCUITS )**AMENDMENT****RECEIVED  
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Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action mailed on April 14, 2004, please amend the application as follows.

**Amendments to the Claims:**

Please replace all prior versions, and listings of claims in the application with the following listing of claims.

**Listing of claims**

Claims 1-31 (canceled).

Claim 32 (currently amended): A charge sampling circuit, comprising:

a control signal generator for controlling an analog input signal to the charge sampling circuit; and

an active integrator for integrating directly the analog input signal during a sampling phase responsive to a sampling signal from the control signal generator, wherein a current of the analog input signal is integrated to an integrated charge for producing one of a proportional voltage sample and a proportional current sample at a signal output upon completion of the sampling phase.

10/08/2004 AWONDAF1 00000089 09672803

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